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DICTIONARY FILE UPDATES: 30 JAN 2007 HIGHEST RN 918865-48-2

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=> s (1)/Mg and (4)/C and (12)/F and (4)/S and (8)/O and (2)/N
    145363 (1)/MG
    473069 (4)/C
    26503 (12)/F
    210707 (4)/S
    669009 (8)/O
    5926670 (2)/N
L1          2 (1)/MG AND (4)/C AND (12)/F AND (4)/S AND (8)/O AND (2)/N
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FILE 'CAPLUS' ENTERED AT 11:13:29 ON 31 JAN 2007  
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FILE LAST UPDATED: 30 Jan 2007 (20070130/ED)

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44 L1  
254815 ELECTROLYTE  
L2 19 L1 AND ELECTROLYTE

=> d 12 1-19 ibib

L2 ANSWER 1 OF 19 CAPLUS COPYRIGHT 2007 ACS on STN  
ACCESSION NUMBER: 2005:813295 CAPLUS  
DOCUMENT NUMBER: 144:332096  
TITLE: Conductance behavior of polymeric ion-gel containing magnesium salt  
AUTHOR(S): Morita, Masayuki; Shirai, Takahiro; Egashira, Minato; Yoshimoto, Nobuko  
CORPORATE SOURCE: Department of Applied Chemistry and Chemical Engineering, Faculty of Engineering, Yamaguchi University, Ube, 755-8611, Japan  
SOURCE: Electrochemistry (Tokyo, Japan) (2005), 73(8), 579-581  
PUBLISHER: Electrochemical Society of Japan  
DOCUMENT TYPE: Journal  
LANGUAGE: English  
REFERENCE COUNT: 17 THERE ARE 17 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L2 ANSWER 2 OF 19 CAPLUS COPYRIGHT 2007 ACS on STN  
ACCESSION NUMBER: 2005:521398 CAPLUS  
DOCUMENT NUMBER: 143:214242  
TITLE: A novel polymeric gel electrolyte systems containing magnesium salt with ionic liquid  
AUTHOR(S): Yoshimoto, Nobuko; Shirai, Takahiro; Morita, Masayuki  
CORPORATE SOURCE: Department of Applied Chemistry and Chemical Engineering, Faculty of Engineering, Yamaguchi University, Ube, 755-8611, Japan  
SOURCE: Electrochimica Acta (2005), 50(19), 3866-3871  
PUBLISHER: Elsevier B.V.  
DOCUMENT TYPE: Journal  
LANGUAGE: English  
REFERENCE COUNT: 29 THERE ARE 29 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L2 ANSWER 3 OF 19 CAPLUS COPYRIGHT 2007 ACS on STN  
ACCESSION NUMBER: 2005:344652 CAPLUS  
DOCUMENT NUMBER: 142:395086  
TITLE: Secondary nonaqueous electrolyte battery  
INVENTOR(S): Dojo, Kazunori; Itaya, Shoji; Koga, Hideyuki; Fujimoto, Masahisa  
PATENT ASSIGNEE(S): Sanyo Electric Co., Ltd., Japan  
SOURCE: Jpn. Kokai Tokkyo Koho, 8 pp.  
DOCUMENT TYPE: Patent  
LANGUAGE: Japanese

FAMILY ACC. NUM. COUNT: 1

PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
JP 2005108520	A	20050421	JP 2003-337884	20030929
PRIORITY APPLN. INFO.:			JP 2003-337884	20030929

L2 ANSWER 4 OF 19 CAPLUS COPYRIGHT 2007 ACS on STN

ACCESSION NUMBER: 2004:1130231 CAPLUS

DOCUMENT NUMBER: 142:414305

TITLE: Ionic conductance behavior of polymeric gel  
electrolyte containing ionic liquid mixed with  
magnesium salt

AUTHOR(S): Morita, Masayuki; Shirai, Takahiro; Yoshimoto, Nobuko;  
Ishikawa, Masashi

CORPORATE SOURCE: Department of Applied Chemistry and Chemical  
Engineering, Faculty of Engineering, Yamaguchi  
University, Ube, 755-8611, Japan

SOURCE: Journal of Power Sources (2005), 139(1-2), 351-355  
CODEN: JPSODZ; ISSN: 0378-7753

PUBLISHER: Elsevier B.V.

DOCUMENT TYPE: Journal

LANGUAGE: English

REFERENCE COUNT: 23 THERE ARE 23 CITED REFERENCES AVAILABLE FOR THIS  
RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L2 ANSWER 5 OF 19 CAPLUS COPYRIGHT 2007 ACS on STN

ACCESSION NUMBER: 2004:993801 CAPLUS

DOCUMENT NUMBER: 141:426261

TITLE: Nonaqueous electrolyte

INVENTOR(S): Dojo, Kazunori; Koga, Hideyuki; Itaya, Shoji;  
Fujimoto, Masahisa

PATENT ASSIGNEE(S): Sanyo Electric Co., Ltd., Japan

SOURCE: Jpn. Kokai Tokkyo Koho, 11 pp.

CODEN: JKXXAF

DOCUMENT TYPE: Patent

LANGUAGE: Japanese

FAMILY ACC. NUM. COUNT: 1

PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
JP 2004327326	A	20041118	JP 2003-122459	20030425
PRIORITY APPLN. INFO.:			JP 2003-122459	20030425

L2 ANSWER 6 OF 19 CAPLUS COPYRIGHT 2007 ACS on STN

ACCESSION NUMBER: 2004:876919 CAPLUS

DOCUMENT NUMBER: 141:368362

TITLE: Electrolyte and secondary battery which uses  
the electrolyte

INVENTOR(S): Miyaki, Yukio; Takada, Tomoo; Kawase, Kenichi; Iijima,  
Yukiko

PATENT ASSIGNEE(S): Sony Corp., Japan

SOURCE: Jpn. Kokai Tokkyo Koho, 18 pp.

CODEN: JKXXAF

DOCUMENT TYPE: Patent

LANGUAGE: Japanese

FAMILY ACC. NUM. COUNT: 1

PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
JP 2004296315	A	20041021	JP 2003-88544	20030327

PRIORITY APPLN. INFO.:

JP 2003-88544

20030327

L2 ANSWER 7 OF 19 CAPLUS COPYRIGHT 2007 ACS on STN  
 ACCESSION NUMBER: 2004:802389 CAPLUS  
 DOCUMENT NUMBER: 141:280430  
 TITLE: Cathode active material for nonaqueous  
       electrolyte secondary battery  
 INVENTOR(S): Inoue, Takao; Fujimoto, Masahisa; Itaya, Masaharu  
 PATENT ASSIGNEE(S): Sanyo Electric Co., Ltd., Japan  
 SOURCE: U.S. Pat. Appl. Publ., 11 pp.  
 CODEN: USXXCO  
 DOCUMENT TYPE: Patent  
 LANGUAGE: English  
 FAMILY ACC. NUM. COUNT: 1  
 PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
US 2004191628	A1	20040930	US 2004-801655	20040317
JP 2004288579	A	20041014	JP 2003-82305	20030325
KR 2004084761	A	20041006	KR 2004-19959	20040324
CN 1532967	A	20040929	CN 2004-10032263	20040325
PRIORITY APPLN. INFO.:			JP 2003-82305	A 20030325

L2 ANSWER 8 OF 19 CAPLUS COPYRIGHT 2007 ACS on STN  
 ACCESSION NUMBER: 2004:782114 CAPLUS  
 DOCUMENT NUMBER: 141:298684  
 TITLE: Nonaqueous-electrolyte battery with  
       magnesium-based anode  
 INVENTOR(S): Koga, Hideyuki; Dojo, Kazunori; Itaya, Shoji;  
               Fujimoto, Masahisa  
 PATENT ASSIGNEE(S): Sanyo Electric Co., Ltd., Japan  
 SOURCE: Jpn. Kokai Tokkyo Koho, 8 pp.  
 CODEN: JKXXAF  
 DOCUMENT TYPE: Patent  
 LANGUAGE: Japanese  
 FAMILY ACC. NUM. COUNT: 1  
 PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
JP 2004265676	A	20040924	JP 2003-53548	20030228
PRIORITY APPLN. INFO.:			JP 2003-53548	20030228

L2 ANSWER 9 OF 19 CAPLUS COPYRIGHT 2007 ACS on STN  
 ACCESSION NUMBER: 2004:779292 CAPLUS  
 DOCUMENT NUMBER: 141:298678  
 TITLE: Nonaqueous-electrolyte battery with  
       magnesium-based anode and sulfur cathode  
 INVENTOR(S): Koga, Hideyuki; Dojo, Kazunori; Itaya, Shoji;  
               Fujimoto, Masahisa; Miyake, Masahide  
 PATENT ASSIGNEE(S): Sanyo Electric Co., Ltd., Japan  
 SOURCE: Jpn. Kokai Tokkyo Koho, 9 pp.  
 CODEN: JKXXAF  
 DOCUMENT TYPE: Patent  
 LANGUAGE: Japanese  
 FAMILY ACC. NUM. COUNT: 1  
 PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
JP 2004265675	A	20040924	JP 2003-53547	20030228
PRIORITY APPLN. INFO.:			JP 2003-53547	20030228

L2 ANSWER 10 OF 19 CAPLUS COPYRIGHT 2007 ACS on STN  
 ACCESSION NUMBER: 2004:570455 CAPLUS  
 DOCUMENT NUMBER: 141:91879  
 TITLE: Method of preparation of electrolyte for  
 nonaqueous battery  
 INVENTOR(S): Itaya, Masaharu; Miyake, Masahide; Fujimoto, Masahisa;  
 Koga, Hideyuki; Donoue, Kazunori  
 PATENT ASSIGNEE(S): Japan  
 SOURCE: U.S. Pat. Appl. Publ., 7 pp.  
 CODEN: USXXCO  
 DOCUMENT TYPE: Patent  
 LANGUAGE: English  
 FAMILY ACC. NUM. COUNT: 1  
 PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
US 2004137324	A1	20040715	US 2003-743746	20031224
JP 2004213991	A	20040729	JP 2002-381184	20021227
JP 2004265677	A	20040924	JP 2003-53549	20030228
PRIORITY APPLN. INFO.:			JP 2002-381184	A 20021227
			JP 2003-53549	A 20030228

L2 ANSWER 11 OF 19 CAPLUS COPYRIGHT 2007 ACS on STN  
 ACCESSION NUMBER: 2004:392764 CAPLUS  
 DOCUMENT NUMBER: 140:393380  
 TITLE: Method of fabrication of rechargeable electrochemical  
 cell  
 INVENTOR(S): Chung, Sai-Cheong; Nakayama, Yuri; Noda, Kazuhiro;  
 Hatazawa, Tsuyonobu  
 PATENT ASSIGNEE(S): Sony Corporation, Japan  
 SOURCE: PCT Int. Appl., 36 pp.  
 CODEN: PIXXD2  
 DOCUMENT TYPE: Patent  
 LANGUAGE: English  
 FAMILY ACC. NUM. COUNT: 1  
 PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2004040675	A2	20040513	WO 2003-JP13789	20031028
WO 2004040675	A3	20041125		
W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW RW: GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM, AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PT, RO, SE, SI, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG				
AU 2003274763	A1	20040525	AU 2003-274763	20031028
CN 1708874	A	20051214	CN 2003-80102154	20031028
JP 2006505109	T	20060209	JP 2004-548055	20031028
US 2006003229	A1	20060105	US 2005-532947	20050427
PRIORITY APPLN. INFO.:			US 2002-421949P	P 20021029
			WO 2003-JP13789	W 20031028

L2 ANSWER 12 OF 19 CAPLUS COPYRIGHT 2007 ACS on STN  
 ACCESSION NUMBER: 2003:767287 CAPLUS  
 DOCUMENT NUMBER: 139:396366  
 TITLE: Interaction between the Lewis Acid Group of a Borate  
 Ester and Various Anion Species in a Polymer

AUTHOR(S) : Electrolyte Containing Mg Salt  
Saito, Morihiro; Ikuta, Hiromasa; Uchimoto, Yoshiharu;  
Wakihara, Masataka; Yokoyama, Shoichi; Yabe, Takeshi;  
Yamamoto, Masahiro

CORPORATE SOURCE : Department of Applied Chemistry, Graduate School of  
Science and Engineering, Tokyo Institute of  
Technology, Meguro, Tokyo, 152-8552, Japan

SOURCE : Journal of Physical Chemistry B (2003), 107(42),  
11608-11614

PUBLISHER : CODEN: JPCBFK; ISSN: 1520-6106  
American Chemical Society

DOCUMENT TYPE : Journal

LANGUAGE : English

REFERENCE COUNT : 41 THERE ARE 41 CITED REFERENCES AVAILABLE FOR THIS  
RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L2 ANSWER 13 OF 19 CAPLUS COPYRIGHT 2007 ACS on STN  
ACCESSION NUMBER: 2003:476026 CAPLUS  
DOCUMENT NUMBER: 139:263222

TITLE: Rechargeable magnesium batteries with polymeric gel  
electrolytes containing magnesium salts  
Yoshimoto, Nobuko; Yakushiji, Shin; Ishikawa, Masashi;  
Morita, Masayuki

AUTHOR(S) : Faculty of Engineering, Department of Applied  
Chemistry and Chemical Engineering, Yamaguchi  
University, Ube, 755-8611, Japan

CORPORATE SOURCE : Electrochimica Acta (2003), 48(14-16), 2317-2322

SOURCE : CODEN: ELCAAV; ISSN: 0013-4686  
Elsevier Science Ltd.

PUBLISHER : Journal

DOCUMENT TYPE : English

LANGUAGE : 24 THERE ARE 24 CITED REFERENCES AVAILABLE FOR THIS  
RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L2 ANSWER 14 OF 19 CAPLUS COPYRIGHT 2007 ACS on STN  
ACCESSION NUMBER: 2002:936892 CAPLUS  
DOCUMENT NUMBER: 138:257747

TITLE: Ionic conductance behavior of polymeric electrolytes  
containing magnesium salts and their application to  
rechargeable batteries  
Yoshimoto, Nobuko; Yakushiji, Shin; Ishikawa, Masashi;  
Morita, Masayuki

AUTHOR(S) : Department of Applied Chemistry and Chemical  
Engineering, Yamaguchi University, Ube, 755-8611,  
Japan

CORPORATE SOURCE : Solid State Ionics (2002), 152-153, 259-266

SOURCE : CODEN: SSIOD3; ISSN: 0167-2738  
Elsevier Science B.V.

PUBLISHER : Journal

DOCUMENT TYPE : English

LANGUAGE : 22 THERE ARE 22 CITED REFERENCES AVAILABLE FOR THIS  
RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L2 ANSWER 15 OF 19 CAPLUS COPYRIGHT 2007 ACS on STN  
ACCESSION NUMBER: 2001:761515 CAPLUS  
DOCUMENT NUMBER: 136:105032

TITLE: Rechargeable magnesium batteries using a novel  
polymeric solid electrolyte  
Morita, Masayuki; Yoshimoto, Nobuko; Yakushiji, Shin;  
Ishikawa, Masashi

AUTHOR(S) : Department of Applied Chemistry and Chemical  
Engineering, Faculty of Engineering, Yamaguchi  
University, Ube, 755-8611, Japan

CORPORATE SOURCE : Electrochemical and Solid-State Letters (2001), 4(11),

SOURCE :

A177-A179  
CODEN: ESLEF6; ISSN: 1099-0062  
PUBLISHER: Electrochemical Society  
DOCUMENT TYPE: Journal  
LANGUAGE: English  
REFERENCE COUNT: 22 THERE ARE 22 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L2 ANSWER 16 OF 19 CAPLUS COPYRIGHT 2007 ACS on STN  
ACCESSION NUMBER: 2001:88883 CAPLUS  
DOCUMENT NUMBER: 134:327161  
TITLE: Ionic conductance of polymeric electrolytes consisting of magnesium salts dissolved in cross-linked polymer matrix with linear polyether  
AUTHOR(S): Yoshimoto, Nobuko; Tomonaga, Yoichi; Ishikawa, Masashi; Morita, Masayuki  
CORPORATE SOURCE: Faculty of Engineering, Department of Applied Chemistry and Chemical Engineering, Yamaguchi University, Ube, 755-8611, Japan  
SOURCE: Electrochimica Acta (2001), 46(8), 1195-1200  
PUBLISHER: Elsevier Science Ltd.  
DOCUMENT TYPE: Journal  
LANGUAGE: English  
REFERENCE COUNT: 24 THERE ARE 24 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L2 ANSWER 17 OF 19 CAPLUS COPYRIGHT 2007 ACS on STN  
ACCESSION NUMBER: 1999:619190 CAPLUS  
DOCUMENT NUMBER: 132:143502  
TITLE: Electrochemical behavior of magnesium in organic electrolyte solutions  
AUTHOR(S): Yoshimoto, Nobuko; Ishikawa, Masashi; Morita, Masayuki  
CORPORATE SOURCE: Fac. Eng., Yamaguchi Univ., Ube, 755-8611, Japan  
SOURCE: Hyomen Gijutsu (1999), 50(9), 839-840  
PUBLISHER: Hyomen Gijutsu Kyokai  
DOCUMENT TYPE: Journal  
LANGUAGE: Japanese

L2 ANSWER 18 OF 19 CAPLUS COPYRIGHT 2007 ACS on STN  
ACCESSION NUMBER: 1998:503394 CAPLUS  
DOCUMENT NUMBER: 129:217087  
TITLE: Chain Mobility and Cation Coordination in the Polymer Electrolytes M[N(CF<sub>3</sub>SO<sub>2</sub>)<sub>2</sub>]<sub>2</sub>PEO with M = Mg, Ca, Sr, and Ba  
AUTHOR(S): Lauenstein, Asa; Tegenfeldt, Joergen  
CORPORATE SOURCE: The Angstroem Laboratory Inorganic Chemistry, Uppsala University, Uppsala, SE-751 21, Swed.  
SOURCE: Journal of Physical Chemistry B (1998), 102(35), 6702-6709  
PUBLISHER: American Chemical Society  
DOCUMENT TYPE: Journal  
LANGUAGE: English  
REFERENCE COUNT: 13 THERE ARE 13 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L2 ANSWER 19 OF 19 CAPLUS COPYRIGHT 2007 ACS on STN  
ACCESSION NUMBER: 1991:184787 CAPLUS  
DOCUMENT NUMBER: 114:184787  
TITLE: Preparation of sulfonyl imides for solid solutions for primary or secondary generators  
INVENTOR(S): Armand, Michel

PATENT ASSIGNEE(S) : Centre National de la Recherche Scientifique, Fr.;  
 Hydro-Quebec  
 SOURCE: PCT Int. Appl., 15 pp.  
 CODEN: PIXXD2  
 DOCUMENT TYPE: Patent  
 LANGUAGE: French  
 FAMILY ACC. NUM. COUNT: 1  
 PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 9011999	A1	19901018	WO 1990-FR240	19900405
W: CA, JP, US				
RW: AT, BE, CH, FR 2645533	DE, DK, ES, FR, B1	19901012	GB, IT, LU, NL, SE FR 1989-4504	19890406
FR 2645533				
CA 2030809	A1	19910712		
EP 419647	A1	19901007	CA 1990-2030809	19900405
EP 419647	A1	19910403	EP 1990-907110	19900405
R: AT, BE, CH, US 5072040	DE, DK, ES, FR, T	19930901 19920227	GB, IT, LI, LU, NL, SE JP 1990-506618	19900405
JP 04501118	T	19930915	AT 1990-907110	19900405
AT 93844	T	19940101	ES 1990-907110	19900405
ES 2044587	T3			
US 5072040	A	19911210	US 1990-613642	19901203
PRIORITY APPLN. INFO.:			FR 1989-4504	A 19890406
			EP 1990-907110	A 19900405
			WO 1990-FR240	W 19900405

OTHER SOURCE(S) : MARPAT 114:184787

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